

On page 11, line 23, after "1" add --(PRIOR ART)--

On Page 13, line 1, after "shows" add --parts of--.

On page 13, line 16, at the end of the sentence add the following:

--Not shown in **Fig. 2** are geophones for detecting reflected seismic signals and a recorder for recording the reflected signals. As would be known to those versed in the art, this could be done by geophones such as D1, D2, D3, and D4 and recorded by a recorder such as **46** as discussed above with reference to **Fig. 1**--.

On page 14, line 26, at the end of the sentence, add the following:

--The actual seismic data represented by $G F(t)$ is detected by geophones such as D1, D2, D3, and D4 and recorded by a recorder such as **46** as shown above in **Fig. 1** and discussed above with reference to prior art.--

IN THE ABSTRACT

Please delete the abstract and replace with the following:

--In a seismic data acquisition system that uses a vibratory source an actual groundforce signal is recorded. This groundforce signal includes, in addition to a reference sweep signal, noise including harmonic distortion. This recorded groundforce signal is used to derive a filter that is used for filtering of seismic data that has been generated by the source and reflected by subsurface reflectors to suitable detectors at the surface. The